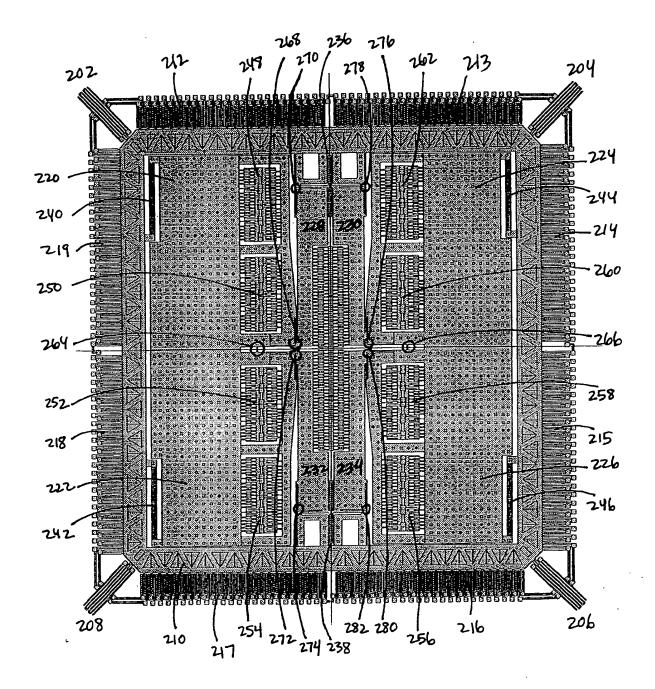


FIG.1 100



F16.2

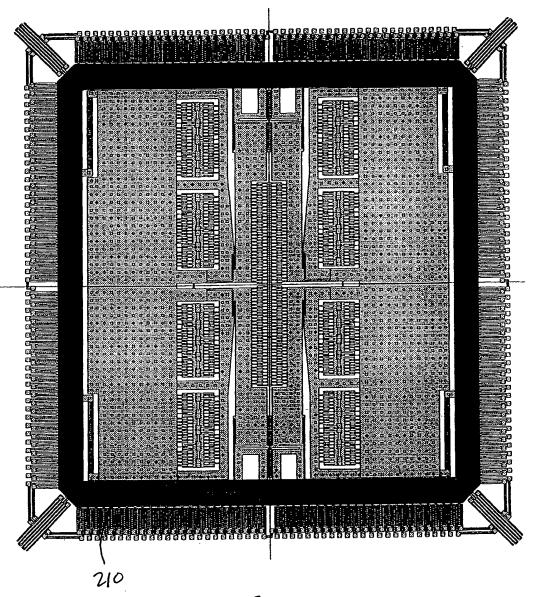


Fig. 3

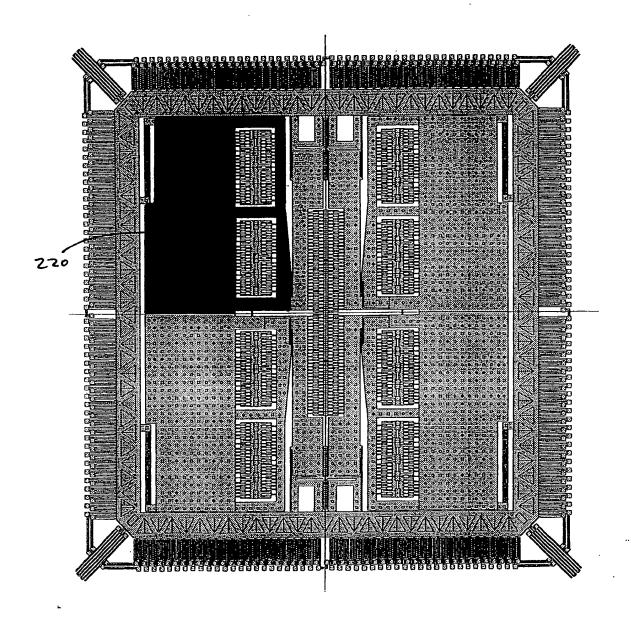


FIG. 4

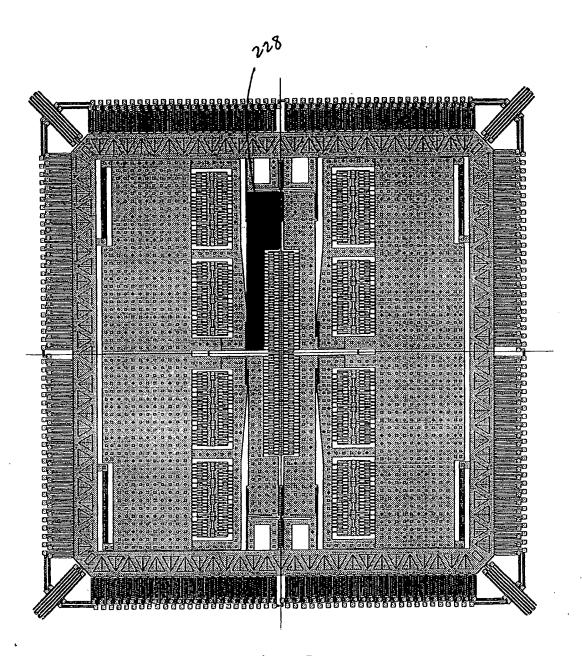
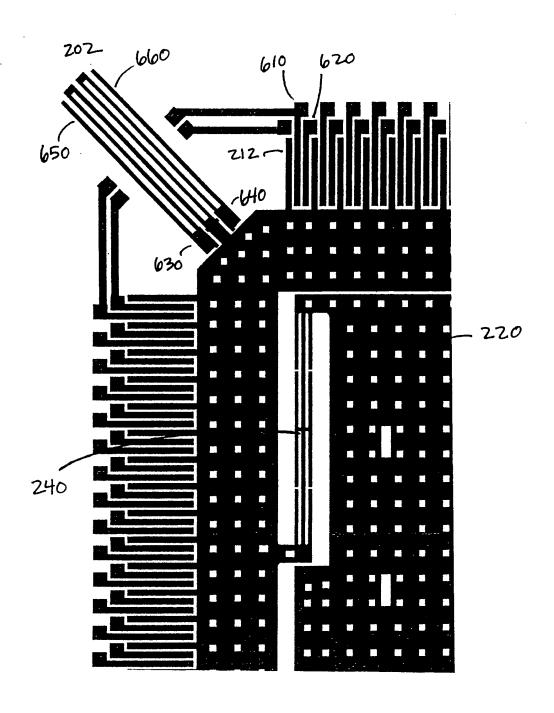
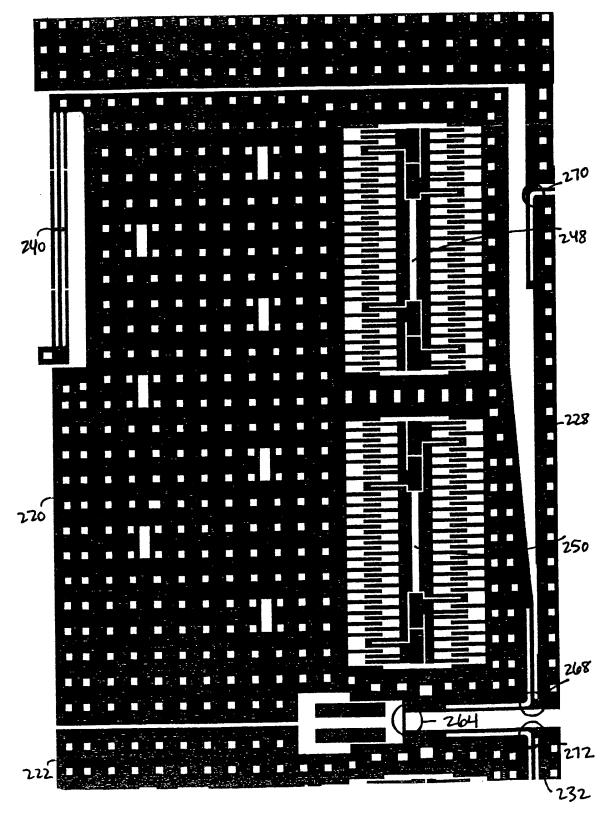


FIG.5



F16. 6



F16.7

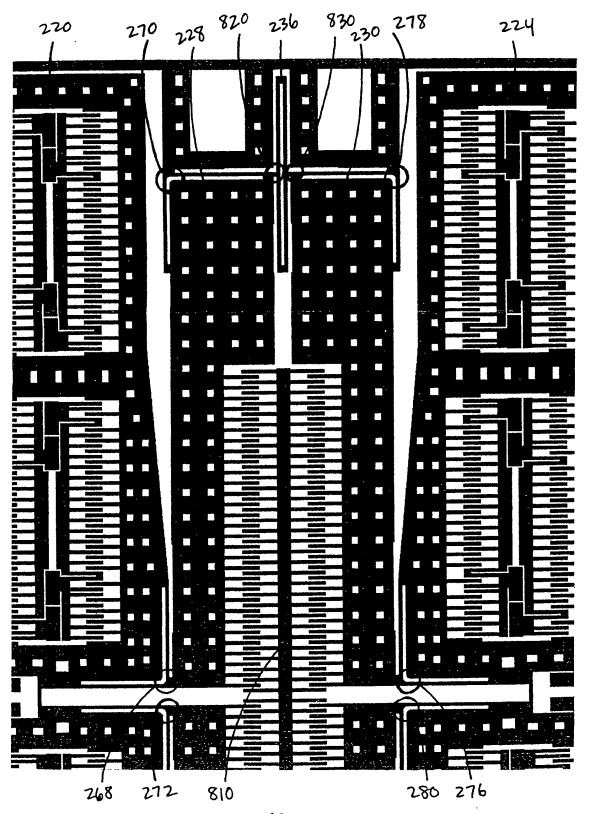


FIG. 8

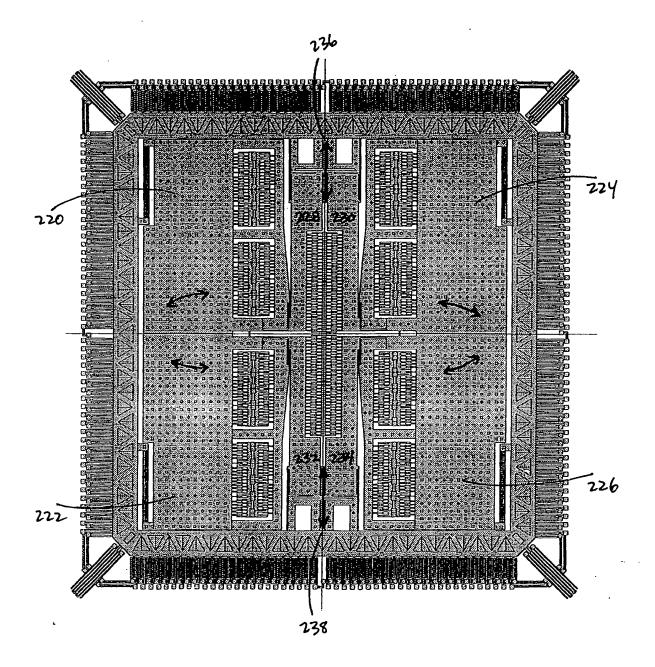


Fig. 9

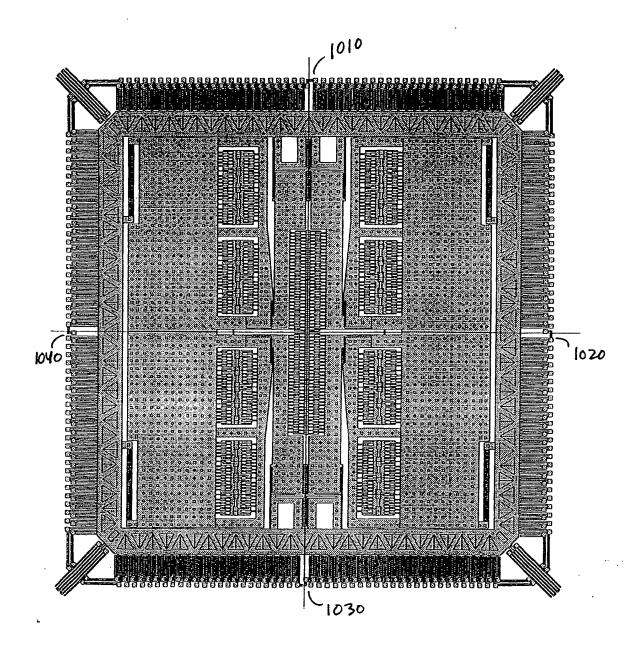


FIG. 10

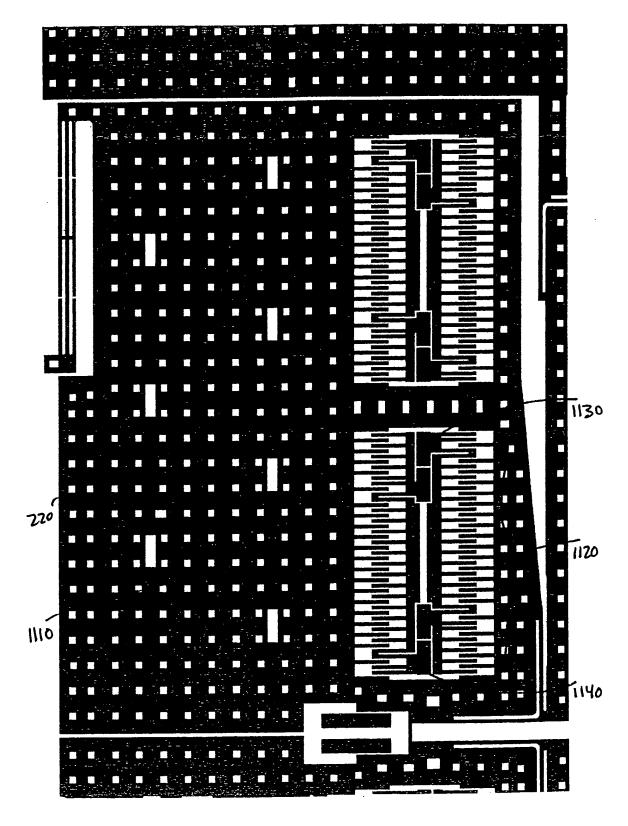


FIG.11 250

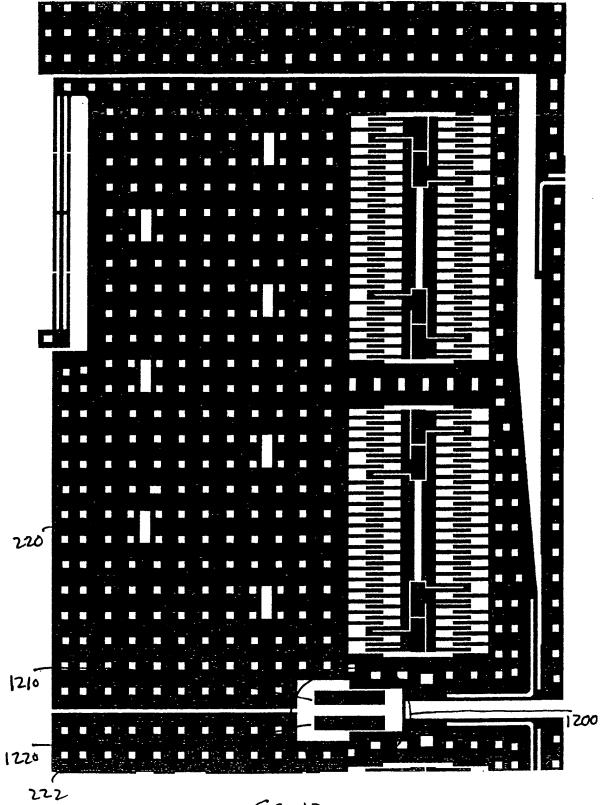


FIG. 12

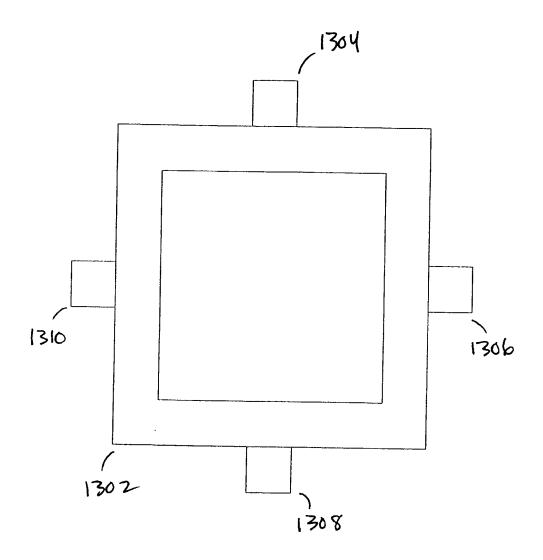
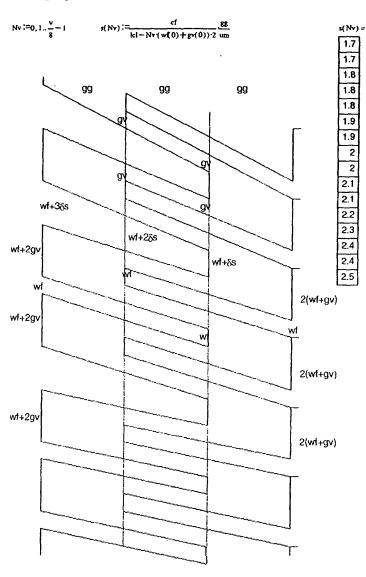


FIG. 13

$$ef:=cip-\frac{an}{2}-\frac{3 gg}{2}$$

center line of velocity fingers to coupling lever pivot



gv>gd to allow perpendicular spacing within gd limit.

s is Y coordinate shift of finger for X of gg rounded to 0.1um. This allows the vertices of all fingers on grid.

fingers have uniform pitch on the coupling lever and uniform separation on the fixed bus.

 $td(Nv) := (s(Nv) - round(s(Nv), 1)) \frac{(kl - Nv \cdot (wl(0) + gv(0)) \cdot 2)}{cf}$

tangential displacement error, um, or effective value...

$$ude := \begin{cases} \frac{v}{8} - 1 \\ \sum_{Nv=0}^{\infty} \frac{8 \operatorname{ad}(Nv)^2}{v} \end{cases} \qquad ude = 0.12$$

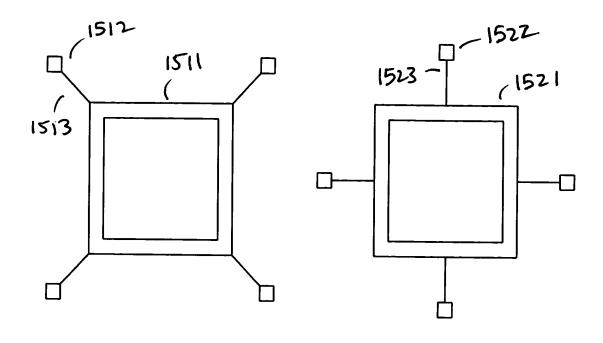
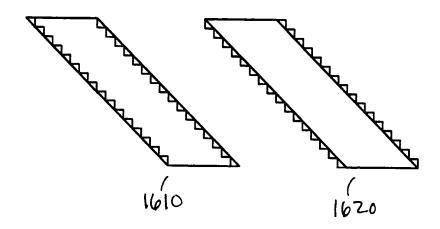
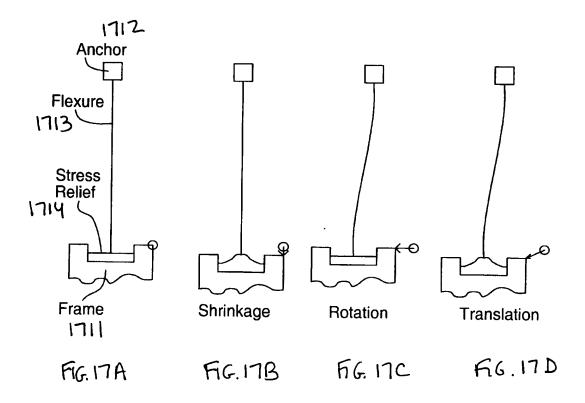


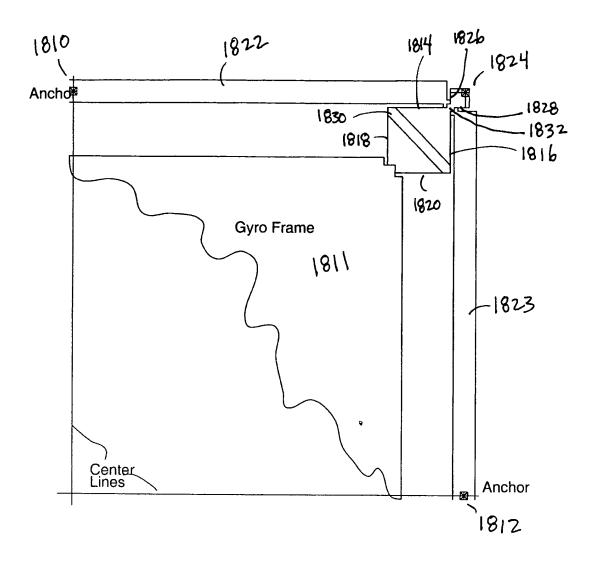
FIG. 15A

FIG. 15B

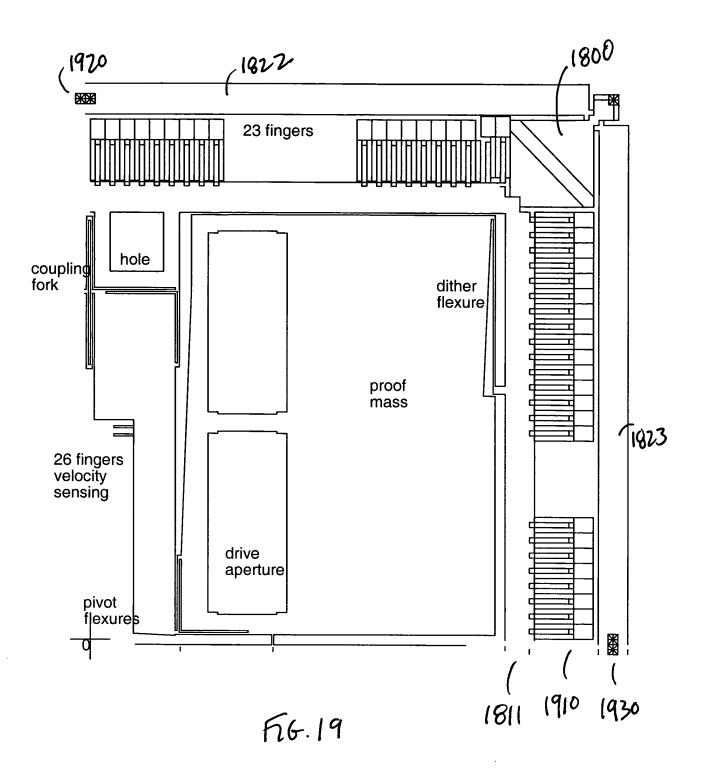


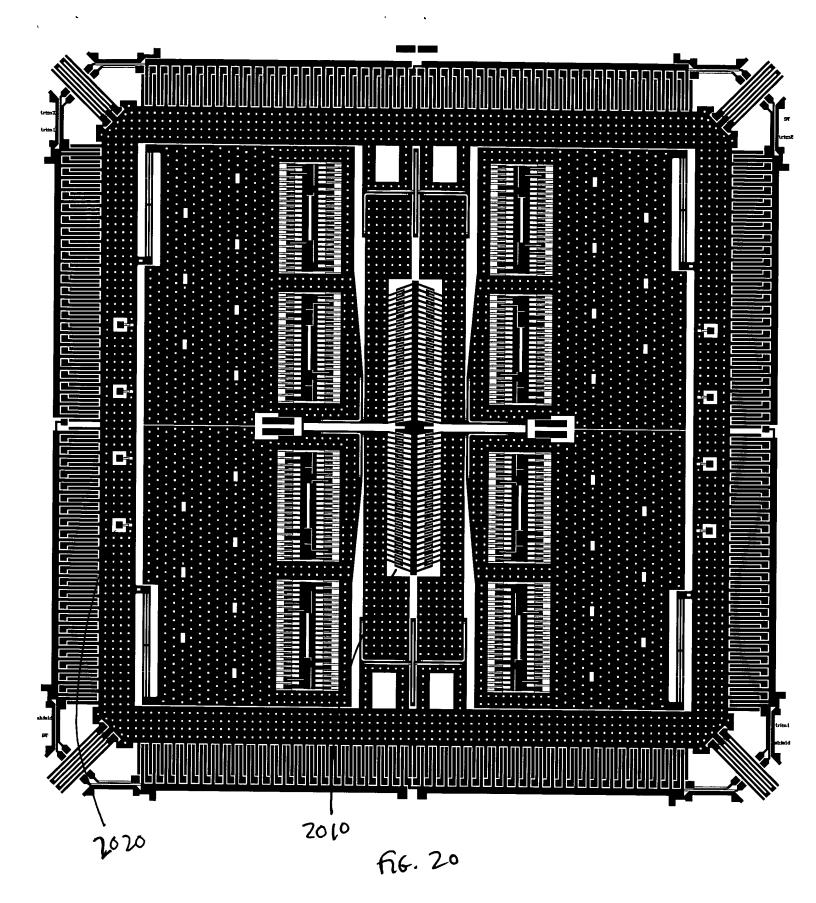
F16.16

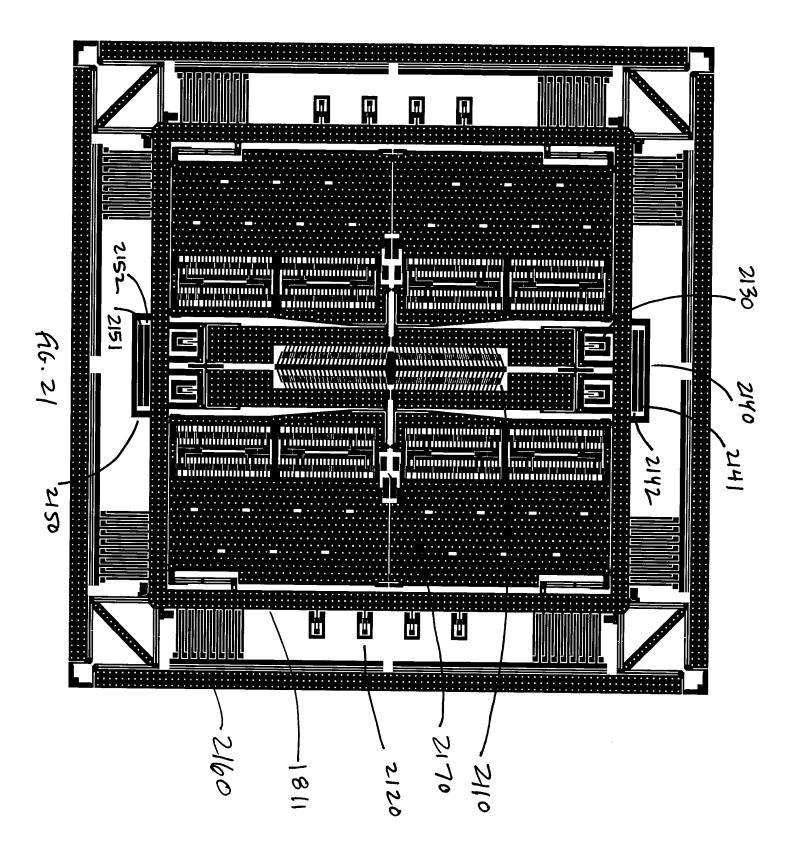


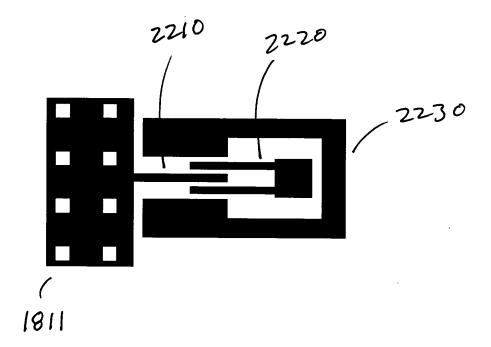


Fi6.18 1800









FG. 22